

STEEL STEAMER



Received at London Office SEP -7 1938

State if Report has been sent on the Freeboard of the Vessel *Yes*State if Report is sent on the Machinery of the Vessel *Yes*Date of completion of report *5th September, 1938*Port of *West Hartlepool*No. *17862*Survey held at *West Hartlepool*Date First Survey *18th June, 1937*

Last Survey

*30th August, 1938*On the (State if Machinery fitted Aft and
if Single, Twin or Triple Screw)*Single Screw Steamer "CORINTHIAN"*Machinery *Amidships*State Type (Full scantling, Complete Superstructure
with or without Tonnage Opening)*Complete superstructure with one Tonnage Opening aft*

State Type of Erections

TONNAGE under
Tonnage Deck... *2458.70*CLASS *100A1*State if with freeboard
as condition of Class *Yes*Built at *West Hartlepool*Do. of space or spaces
between Tonnage Dk.
and Upper Dk.Length from fore part of stem to after part of stern
post on summer L.W.L. See Sec. 3 (1a)*L 338.75*Launched *4th May, 1938* Yard No. *1083*Total *2458.70*Breadth (greatest moulded) *B 49.83*Builders *Wm. Gray & Co., Ltd.*Gross Tonnage *3121.59*Depth, at middle of length from top of keel to top
of beam at side of uppermost continuous
deck. See Sec. 3 (1c)*D 32.75*Owners *Ellerman Lines, Ltd.*Register Tonnage *1431.33*1st Longitudinal Number (L x D) *=11094.06*Managers *Ellerman & Papayanni Lines, Ltd.*2nd Numeral L x (B + D) *=27973.98*

(Where necessary to be entered in Reg. Book)

REGISTERED DIMENSIONS.
FEET.Length *345.7'*Framing Depth "d," at middle of length. See
Sec. 3 (1d)*19.83*Residence *Lower Building, Water Street, Liverpool*Breadth *50.1'*Proportions—Depth to Length—Uppermost con-
tinuous deck to top of keel*10.34*Port of Registry *Liverpool*Depth *20.7'*Do. Long Bridge to top
of keel*✓*

If surveyed while building, afloat, or in dry dock

Draught Moulded *22'-0 1/2"**Whilst Building Afloat, and in Dry Dock*

FRAMES, DOUBLE BOTTOM AND BEAMS.

	INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.		INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.
FRAMES, Spacing amidships	29	✓	Bracket Floors, Frame	6 3/2 34	✓
" " from 1/2 length amidships to Collision bulkhead	27	✓	" " Reversed Frame	5 1/2 3 34	✓
" " in peaks	24	✓	" " Vertical Struts	9 3/2 x 3 3/2 38 5 1/2 x 3 3/2 34	8 x 3 x 3 3/2 38
SIDE FRAMING.			Centre Girder, depth and thickness amidships	41 x 50	✓
Frame Amidships, Angle, E or F	11 3 1/2 43	✓	" " top Angles	3 3 44	✓
" " Extends up to	SECOND DECK	✓	" " bottom Angles	4 4 48	✓
Reversed Frame Amidships, Angle	✓		Side Girders, No. each side and thickness	ONE @ 36	✓
" " Extends up to	✓		Margin Plate depth (excl. of flange) and thickness	37 x 48	✓
Depth of Framing Girder	11	✓	" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	6 6 40	✓
Frames in Uppermost Continuous 'tween Decks, Angle, E or F	8 3 1/2 35	APPROVED 7 1/2 x 3 1/2 x 34 B.A. 0.8.5	" " Vertical Angle to Tank side Bracket from forward 1/2 len. from stem to Panting Area	As per Approved Mid. Section.	✓
" " Second 'tween Decks, Angle, E or F	✓		" " Gussets, spacing and scantling abaft 1/2 len. from stem	5-7/8 RIVETS. As per Approved	✓
" " Third " " " "	✓		" " Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area	Mid. Section	✓
" " from 1/2 len. for'd. to 15% len. from Stem	12 3 1/2 45	✓	Tank Side Brackets, height above base line at toe of Frame and thickness	68 1/2 x 43	✓
" " in Peaks, Angle, E or F	8 3 1/2 39	APPROVED 8 x 3 x 35 B.A.	INNER BOTTOM PLATING.		
Diameter and Spacing of Rivets through Frame and Shell Plating amid- ships	7/8" RIVETS SPACED 6 1/2" DIAS. SIDES 7" BOTTOM	✓	Breadth and thickness of Middle Line Strake	72 1/2 x 48	APPROVED 80 x 45
State if Frame Joggled	YES	✓	Thickness of remainder in Holds	40, 48	UNDER HATCHES.
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	YES	✓	Are Rule requirements complied with regarding increases of scantlings in way of double bottom in E. & B. space and framing in Bunkers and Boiler Room?	YES	✓
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	YES	✓	BEAMS.		
SINGLE BOTTOM.			Uppermost Continuous Deck, amidships in Walls, Angle, E or F	7 1/2 3 1/2 34	✓
Floors, Depth and thickness at mid-line in Holds			" " in way of Bridge, Angle, E or F	✓	
Height of Brackets at side above base line at toe of frame			Spacing	29	✓
Middle Line Keelson, on Floors, Angles, E or F			Second Deck, amidships, Angle, E or F	8 3 37	✓
" " Through Plate or Intercoastal Plate			Spacing	29	✓
" " Foundation Plate on Floors			Third Deck, amidships, Angle, E or F		
" " Flat Plate Keel Angles			Spacing		
Side Keelsons, No. each side			Fourth Deck, amidships, Angle, E or F		
" " thickness of Intercoastal Plate			Spacing		
" " Angles			Poop Deck, Angle, E or F		
DOUBLE BOTTOM.			Spacing		
Solid Floors, thickness and spacing	38 @ 58	✓	Bridge Deck, Angle, E or F		
" " Are Frame and Reversed Frame joggled?	YES	✓	Spacing		
Bracket Floors, breadth and thickness at middle line	31 x 38	✓	Forecastle Deck, Angle, E or F	6 3 34	✓
" " breadth and thickness at margin plate	31 x 38	✓	Spacing	24 4 27	✓

PILLARS AND DECKS.

	INCHES IN SHIP.		Any Departure from Approved Plans to be Noted.		INCHES IN SHIP.		Any Departure from Approved Plans to be Noted.
PILLARS, No. of Rows.....	TWO		✓	Stringer Plate, breadth and thickness in way of Bridge	✓		
" in 'tween Decks, Size and Spacing.....	<i>girders and wide spaced pillars as per approved plans.</i>		✓	Thickness of Plating abreast Deck openings in way of Walls	33		✓
" " " " " "				Thickness of Plating abreast Deck openings in way of Bridge	✓		
" in Holds " "	<i>girders and wide spaced pillars as per approved plans.</i>		✓	Thickness of Plating within line of openings...	32		✓
" " " " " "				If Sheathed, material and thickness	NO.		✓
Centre Line Bulkhead.				Third Deck.			
Stiffeners and Spacing.....	✓			Stringer Plate, breadth and thickness.....			
Plating, thickness of	✓			If Plated, state thickness.....			
STRINGERS AND DECKS.				Fourth Deck.			
Uppermost Continuous Deck.				Stringer Plate, breadth and thickness.....			
Stringer Plate, breadth and thickness, in Walls	77½	x 54	Approved 48" ✓	If Plated, state thickness			
" " " " in way of Bridge	✓			Poop Deck.			
" Angle in Walls	5	5	52 Approved 48" ✓	Stringer Plate, breadth and thickness			
Thickness of Plating abreast Deck openings in way of Walls	44	✓	Approved 40" ✓	Plating, Sheathing, material and thickness ...			
Thickness of Plating abreast Deck openings in way of Bridge	✓			Bridge Deck.			
Thickness of Plating within line of openings...	39	✓	Approved 35" ✓	Stringer Plate, breadth and thickness.....			
If Sheathed, material and thickness	NO.		✓	Plating, Sheathing, material and thickness ...			
Second Deck.				Forecastle Deck.			
Stringer Plate, breadth and thickness in Walls	74	x 40	Approved 36" ✓	Stringer Plate, breadth and thickness.....	53	x 34	✓
				Plating, Sheathing, material and thickness ...	32		✓

SHELL PLATING.

SCANTLINGS.					RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. State if jogged? NO			BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		SINGLE OR DOUBLE.	RIVETS.		No. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.
	Breadth.	Thickness.	Thickness.	Thickness.			Diam.	Spacing cr. to cr.		Diam.	Spacing cr. to cr.	
	Inches.	Inches.	Inches.	Inches.		Inches.	Inches.		Inches.	Inches.		
FLAT PLATE KEEL	49	.74 ✓	.73 ✓	.66 ✓		2R	7/8	3 3/4 ✓	4R	1	4	LAPPED
„ DELG. (if any)	✓	✓	✓	✓		✓						
BOTTOM PLATING, No. of Strakes THREE ..}	76 1/2	.58 ✓	.68 ✓	.58 ✓								
	79	.58 ✓	.68 ✓	.58 ✓								
	79	.58 ✓	.64 ✓	.58 ✓		2R	7/8	3 3/4 ✓	3R	7/8	3 3/8	LAPPED
BILGE PLATING, No. of Strakes TWO ..}	74	.58 ✓	.48 ✓	.58 ✓								
	74	.58 ✓	.48 ✓	.58 ✓								
	78	.58 ✓	.48 ✓	.44 ✓								
	78	.58 ✓	.48 ✓	.44 ✓								
SIDE PLATING, No. of Strakes TWO ..}	78	.58 ✓	.48 ✓	.44 ✓								
	78	.58 ✓	.48 ✓	.44 ✓								
UPPER DECK, Sheer- strake, in Bridge	79	.67 ✓	.44 ✓	.44 ✓	APPROVED. 78" x .63" ✓				4R		3 1/2 ✓	
UPPER DECK, Sheer- strake in Bridge ...}	✓	✓	✓	✓		✓						
STRAKE BELOW Sheer- strake, in Bridge	78 1/2	.63 ✓	.48 ✓	.44 ✓	APPROVED. 78" x .59" ✓	2R	7/8	3 3/4 ✓	3R	7/8	3 3/8	LAPPED
STRAKE BELOW Sheer- strake in Bridge ...}	✓	✓	✓	✓		✓						
POOP SIDE PLATING	✓	✓	✓	✓		✓						
BRIDGE SIDE PLATING ...	✓	✓	✓	✓		✓						
FOREC'TLE SIDE PLATING	✓	✓	.40 ✓	✓		2R	3/4	3	2R	3/4	2 5/8	LAPPED.

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel— **SEVEN** ✓

Extending to Upper Deck (Sec. 3 c) **ONE** ✓

„ Deck next below **SIX** ✓

As per Rule **SIX** ✓

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar		FLAT PLATE	KEEL	✓
STEM	Steel Casting as per appd. plan etc.	Steel as per approved plans.	The Washington & M. & W. Forge Co. Ltd. Washington	
STERN FRAME {	Propeller Post	Steel Castings.	Steel Co. Ltd.	
{	Rudder			
Speed of Vessel	13½	KNOTS.	✓	
RUDDER—Type	Ordinary.		✓	
„ A x D 105.07 x 3.65 =	382.99.		✓	
„ Diam. of head	Forging 10½"		Washington	
„ Mainpiece at top pintle	Steel as per Casting approved plan.		Steel Co. Ltd.	
„ „ heel			✓	
„ how constructed	Built		✓	
„ double or single plate	Double plate.		✓	
„ coupling, vertical or horizontal	Horizontal Coupling.		✓	

			Plating Thickness.	STIFFENERS.			
				VERTICAL.		HORIZONTAL.	
				Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKHEAD,		Upper tween decks	✓				
"	"	Second "	✓				
"	"	Third "	✓				
"	"	Holds		12' x 6' x 4'			
		FR. 96-30'-48"		x 3 1/2' x 60 Lm ✓	3 1/2" ✓		
COLLISION	"	(in Hold) " 130-		31'-45' 8' x 3' x 35' C ✓	24" ✓	SEMI-BOX BEAMS AT STR. LEVELS ✓	
AFTER PEAK	"	" 94-10		7' x 3' x 34 BA ✓ VABT & HBR.	21" ✓	TUNNEL RECESS TOP AND TOP OF AFT PEAK TANK ✓	
		28'-46"			3 7/8"		

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *Siemens Martin Open Hearth.* ✓
PLATES:- *South Durham Steel & Iron Co. Ltd.; Dorman Long & Co. Ltd. ANGLES:- Chap. & Bennett & Son; Dorman*
Long & Co. Ltd.; Cargo Fleet Iron Co. Ltd.; S. Tyzack & Co. Ltd.; Raine & Co. Ltd.; Skinningrove Iron Co. Ltd.; Bonsett Iron Co. Ltd.
 Has the Steel been tested as required by the Rules? **YES** ✓

GENERAL REMARKS—(The Surveyor should state the Number of Report and Name of any Sister Vessel. Plans showing Vessel as built should be forwarded and a List of the Plans should be embodied.)

SIMILAR VESSELS:- s.s. "Mahvernian" & "Belgravian." West Hartlepool Report Nos. 17691 & 17734.

SISTER VESSEL:- s.s. "Ionian" West Hartlepool Report No. 17837. ✓

DRY DOCKING:- 19th AUGUST, 1938
The vessel in dry dock, bottom and rudder cleaned and recoated.

The vessel is for class 100A1 "with Freeboard", but the scantlings of the vessel comply with the requirements for a full scantling vessel.

PARTICULARS OF ELECTRIC WELDING (if employed) ✓

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book
"WITH FREEBOARD", D.F., E.S.D., LLOYD'S A.C.P., CRUISER STERN. X 100A1

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	2nd "	3rd "	SWTS. QK. LBS.			
				30. 0. 10	J.F.R.	2649	10. 9. 37
				30. 2. 15	J.D.	903	13. 11. 35
				25. 1. 4	A.E.G.	1413	29. 7. 37

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ✓ ft., R.Q.D. ✓ ft., Bridge ✓ ft., Forecastle 29.5 ft. ✓
(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated

Official No. 166246 Signal Letters Extreme Breadth ~~50.10~~ 50.10 leave out
No. and Material of Decks ONE DECK (STL.) & SHELTER DECK (STL.) (Circ. 1611) Over-all Length 358.7 ft. ✓
(Circ. 1708)
Parts of Bottom of Vessel coated with cement. Bottom in Nos. 4 & 5 Double Bottom Tanks cemented, and cement fillets in Nos. 1, 2, 3, 6 & 7 Double Bottom Tanks. pt Cem
Particulars of composition (if fitted) and of approval. ✓

PARTICULARS OF WATER BALLAST:—(Comprising all tanks which may be used for Water Ballast. (Circ. 1284)
(Wells are not to be included in the lengths of the tanks, but Cofferdams and Dry Tanks (if tested) are to be included.)

Where Fitted.	Length. Feet.	Water Capacity. Tons.	Where Fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	74.83	128	Fore peak tank,	13.5	24 ✓
Double bottom, under Engines and Boilers,	✓	✓	After peak tank,	10.0	14 ✓
Double bottom, if under Engines only, FD, WATER	41.08	138	Deep tank, aft,	✓	✓
Double bottom, if under Boilers only, " "	38.67	143	Deep tank, forward,	✓	✓
Double bottom, forward,	135.92	336	Other tanks, if fitted,	✓	✓
Total length (if continuous) and Capacity	290.50	745	(If necessary, furnish further information by sketch.)		

Order for Special Survey No. 24.01

"AUTHORISED"

Date 27th April, 1937

Dates of Surveys held while building

1937 June. 18. 23. Aug. 10. 16. 26. Sept. 2. 7. 14. 21. 22. 28. Oct. 1. 4. 5. 7. 13. 14. 19. 21. 22. 25. 27. Nov. 3. 11. 15. Dec. 3. 9. 15. 21. 24. 29. 1938 Jan. 5. 6. 12. 18. 21. 25. 27. Feb. 1. 2. 3. 7. 9. 10. 11. 15. 16. 23. Mar. 3. 7. 16. 18. 21. 23. 24. 26. 29. 30. Apr. 1. 4. 6. 8. 11. 12. 13. 14. 20. 21. 22. 25. 26. 28. 29. May. 2. 3. 4. 19. 24. 30. June. 1. 2. 3. 10. 13. 15. 17. 29. July. 1. 5. 12. 14. 20. 22. 27. Aug. 10. 11. 16. 17. 19. 23. 26. 30.

Total No. of Visits 102